
STATE OF SOUTH AUSTRALIA.

**Report on the Factories and Works Statistics for the Year
1936-37 and Summary Returns**

BY

A. W. BOWDEN, A.I.A. Government Statist, &c.

(BULLETIN No. 8 of 1938.)

STATE OF SOUTH AUSTRALIA.—REPORT BY THE GOVERNMENT STATIST ON THE FACTORIES AND WORKS FOR THE YEAR ENDED 30TH JUNE, 1937.

SINCE 1931-32, the year of lowest levels, there has been a steady annual improvement in the Secondary Industries of the State, and the year 1936-37 continued to show such substantial progress that, in general, the present position is at least equal to pre-depression years.

An analysis of 107 industrial groups shows increased productivity for 1936-37, as compared with 1935-36 in 70 groups, whilst the remaining 37, with a few exceptions, showed only slight decreases.

Establishments and Hands.—1,916 establishments were in operation during the year, an increase of 21. The average number of persons employed for the whole year was 40,710, an increase of 2,239, or 5.82 per cent. The average number of employees, 40,710, just failed to reach the number recorded in the maximum year of factory employment, 1926-27, viz., 41,075. However, the number of female employees constituted a record. Included in the hands employed are 1,474 working proprietors.

Salaries and Wages.—The salaries and wages earned for the year totalled £7,518,239, an increase of £824,088, or 12.31 per cent. The salaries and wages of the working proprietors included amounted to £345,601. The average earned per employee was £10 13s. 6d. more than the previous year. the totals being, £184 13s. 7d. (£174 0s. 1d.)

Materials, &c., Used.—The material used or treated was valued at £21,399,805, an increase of £2,138,055 ; in addition, fuel, light, water, and lubricating oils used, £856,808, a decrease of £115,828.

The Output for the year was valued at £34,528,176, an increase of £2,624,085, or 8.22 per cent.

The Production Value, that is, the value added to material by the process of manufacture or treatment, was estimated at £12,271,563, an increase of £601,858, or 5.16 per cent.

Margin.—After accounting for the expenditure items—Salaries and wages, fuel and light, and materials used aggregating £29,774,852, the margin left to meet all miscellaneous expenses and profit was £4,753,324, a decrease of £222,230, or 4.47 per cent.

A. W. BOWDEN, Government Statist, &c.

Statistical Office, Adelaide, 12th May, 1938.

1. ESTABLISHMENTS, HANDS, POWER.

Item.	1934-35.	1935-36.	1936-37.	Increase on 1935-36.
Establishments.....	No. 1,803	No. 1,895	No. 1,916	No. 21
Employees (including Working Proprietors)—				
Males	27,271	31,391	33,400	2,009
Females	6,226	7,080	7,310	230
Total	33,497	38,471	40,710	2,239
Working Proprietors—				
Males	1,321	1,382	1,405	23
Females	72	79	69	-10
Total	1,393	1,461	1,474	13
Horsepower—				
Establishments using power ..	1,635	1,711	1,731	20
Rated horsepower of engines (in use or idle)—	H.P.	H.P.	H.P.	H.P.
1. Steam	144,778	147,696	146,379	-1,317
2. Electric.....	76,676	80,206	85,706	5,500
3. Oil	13,424	16,980	17,671	691
4. Gas	6,668	6,501	6,367	-134
Total	244,546	251,383	256,123	4,740

2. CHIEF EXPENDITURE ITEMS.

Item.	1934-35.	1935-36.	1936-37.	Increase on 1935-36.
1. Materials—	£	£	£	£
Raw materials	14,380,415	18,256,167	20,212,171	1,956,004
Containers, &c.....	502,060	543,268	612,804	69,536
Tools replaced, repairs, etc.	393,017	462,315	574,830	112,515
Total	15,275,492	19,261,750	21,399,805	2,138,055
2. Fuel, light, water, &c. ..	866,567	972,636	856,808	-115,828
Tons	Tons	Tons	Tons	
Coal (a)	240,962	259,833	282,655	22,822
Coke (a)	80,550	85,666	88,269	2,603
Wood	74,562	81,473	88,247	6,774
Fuel oils (a)	102,006	104,181	98,007	-6,174
Gas	27,513	30,267	22,121	-8,146
Electricity	267,010	296,419	290,541	-5,878
Lubricating oils (a)	24,454	26,172	29,560	3,388
Water	36,939	37,808	43,328	5,520
3. Salaries and wages (b)—				
Males	5,228,280	6,119,210	6,905,161	785,951
Females	505,585	574,941	613,078	38,137
Total	5,733,865	6,694,151	7,518,239	824,088
Salaries of W.P. included above	300,334	318,797	345,601	26,804
4. Margin for overhead expenses and profit.....	3,823,248	4,975,554	4,753,324	-222,230

(a) Including those portions classified as materials used.

(b) Including salaries and wages earned by working proprietors.

3. SALARIES AND WAGES EARNED PER EMPLOYEE DURING YEAR.*

Item.	1934-35.	1935-36.	1936-37.	Increase on 1935-36.
Males	£ s. d.	£ s. d.	£ s. d.	£ s. d.
191 14 4	194 18 9	206 14 10	11 16 1	
Females	81 4 1	81 4 2	83 17 5	2 13 3
Total	171 3 6	174 0 1	184 13 7	10 13 6

* Salaries and wages of working proprietors included in all averages.

4. VALUE OF FACTORY PREMISES AND PLANT.

	1934-35.	1935-36.	1936-37.	Decrease on 1935-36.
Plant and machinery ..	£	£	£	£
9,293,448	9,280,335	9,130,748	149,587	
Land and buildings ..	7,947,825	8,268,807	8,133,147	135,660
Total	17,241,273	17,549,142	17,263,895	285,247

5. VALUE OF OUTPUT AND PRODUCTION.

Item.	1934-35.	1935-36.	1936-37.	Increase on 1935-36.
Output.....	£	£	£	£
25,699,172	31,904,091	34,528,176	2,624,085	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	
43 19 10	54 8 6	58 13 10	4 5 4	
Per inhabitant	%	%	%	%

Value of production (the value added to material by process of treatment.)				
Production value	£	£	£	£
9,557,113	11,669,705	12,271,563	601,858	
£ s. d.	£ s. d.	£ s. d.	£ s. d.	
16 7 2	19 18 2	20 17 2	0 19 0	
Per inhabitant	%	%	%	%
Proportion represented by salaries and wages	60.00	57.36	61.27	3.91

6. FACTORIES AND WORKS IN CLASS GROUPS, 1936-37.

Class of Industry.	Establishments.	Employees, including W.P. (average for Whole Year.)	Salaries and Wages (Inc. W.P.) Paid.	Cost of Fuel, Light, Lubricating Oil, and Water.	Cost of Material Used, Tools Replaced, Repairs, &c.	Value of Output.	Value of Production (Added Value.)	Value of Land, Buildings, Plant, Machinery.
i. Treatment of non-metalliferous metals, &c.	42	M. 542	F. 7	£ 114,117	£ 49,150	£ 123,633	£ 380,564	£ 207,781
ii. Bricks, Pottery, &c.	43	900	30	168,939	55,368	158,572	558,517	344,577
iii. Chemicals, dyes, &c.	52	1,190	252	263,255	43,951	1,214,066	1,896,325	638,308
iv. Industrial metals, machines, vehicles, &c.	474	17,341	806	3,701,830	229,284	9,654,801	14,707,266	4,823,181
v. Precious metals, jewellery, etc.	18	162	14	28,995	1,807	18,980	61,449	40,662
vi. Textile and textile goods ..	32	761	424	152,100	22,681	864,391	1,130,245	243,173
vii. Skins and leather	24	214	187	55,225	1,571	119,260	197,917	77,086
viii. Clothing	283	980	3,472	454,459	13,295	483,218	1,107,635	611,122
ix. Food, drinks, &c.	522	4,713	1,070	1,065,343	187,830	6,869,274	9,442,483	2,385,379
x. Woodworking, &c.	147	1,762	65	317,090	15,013	924,295	1,437,727	498,419
xi. Furniture, bedding	79	937	108	169,561	8,434	278,438	526,388	239,516
xii. Paper, stationery, &c.	115	1,558	631	433,355	16,774	444,357	1,126,434	665,303
xiii. Rubber	27	130	15	20,485	2,276	33,130	68,914	33,508
xiv. Musical Instruments	3	12	—	3,231	24	3,402	8,104	4,678
xv. Miscellaneous	15	217	92	42,060	1,812	61,774	149,466	85,880
xvi. Heat, light, and power	40	1,981	137	528,194	207,538	148,214	1,728,742	1,372,990
Total 1936-37	1,916	33,400	7,310	7,518,239	856,808	21,399,805	34,528,176	12,271,563
Total 1935-36	1,895	31,391	7,080	6,694,151	972,636	19,261,750	31,904,091	11,669,705
Increase	21	2,009	230	824,088	-115,828	2,138,055	2,624,085	601,858
								-285,247

7. QUANTITIES OF COMMODITIES PRODUCED—continued.

7. QUANTITIES OF COMMODITIES PRODUCED.

Where the nature of the industry makes it possible, the quantities as well as the values of commodities are collected. The following are the chief items of those collected :—

Description.	Unit.	Quantities Produced.		
		1934-35.	1935-36.	1936-37.
Aerated Waters ..	doz.	825,695	980,632	1,016,380
Bacon and Ham ..	lb.	5,936,357	6,274,041	7,140,112
Bark (ground)	ton	4,076	4,103	4,065
Beer and Stout ..	gall.	4,600,487	5,182,628	5,668,392
Biscuits	lb.	2,706,408	2,801,339	2,859,078
Boots and Shoes ..	pair	468,319	541,255	522,253
Bran	ton	33,976	30,290	25,175
Bricks	No.	30,243,214	39,699,943	41,493,651
Butter	lb.	14,157,280	17,017,490	16,657,761
Cheese	lb.	6,648,281	8,103,243	11,847,355
Electricity	B.U.	176,433,857	200,488,220	223,925,107
Fertilisers (Chemical) ..	ton	158,633	212,645	233,455
Flour	ton	136,716	124,021	119,192
Gas	1,000	1,082,217	1,090,249	1,119,278
Ice	cub. ft.	25,503	30,237	30,467
Jams and Jellies ..	lb.	6,332,139	7,281,591	7,568,150
Lard	lb.	218,032	212,901	257,645
Lime	ton	3,306	3,484	4,984
Malt	bush.	290,927	315,557	277,623
Motor Bodies	No.	24,329	40,404	40,005
Pickles	pint	990,412	1,309,453	1,353,823
Pollard	ton	23,775	21,179	21,788

Description.	Unit.	Quantities Produced.		
		1934-35.	1935-36.	1936-37.
Preserved Fruits ..	lb.	4,033,106	5,839,002	4,379,963
Sauces	pint	2,020,444	2,175,603	2,238,593
Soap	cwt.	80,244	69,936	75,784
Spirits (Distilled) ..	pf. gall.	1,593,155	2,048,599	1,983,909
Sugar (Refined) ..	ton	28,426	29,791	29,667
Tiles	No.	787,516	808,648	1,033,145
Wine	gall.	12,914,905	13,023,587	15,062,502
Vinegar	gall.	140,703	155,149	241,427

8. QUARTERLY INDEX FIGURES OF MID-MONTHLY EMPLOYMENT IN FACTORIES.

Index Figures (Mean 1929-30 = 100.)

Year.	Quarters.			
	Sept.	Dec.	March.	June.
1929-30	103	103	101	94
1930-31	81	74	71	70
1931-32	67	70	73	75
1932-33	74	79	82	83
1933-34	85	89	93	97
1934-35	98	101	104	112
1935-36	111	114	119	121
1936-37	120	123	129	136

NOTE.—Factory years 1926-27 (Maximum) = 128; Mean 5 years ended 1928-29 = 122; 1929-30 (Base) = 100; 1930-31 = 74; 1931-32 = 71; 1932-33 = 80; 1933-34 = 91; 1934-35 = 104; 1935-36 = 116; 1936-37 = 127.

A. W. BOWDEN, Government Statist, &c.
Statistical Office, Adelaide, 12th May, 1938.